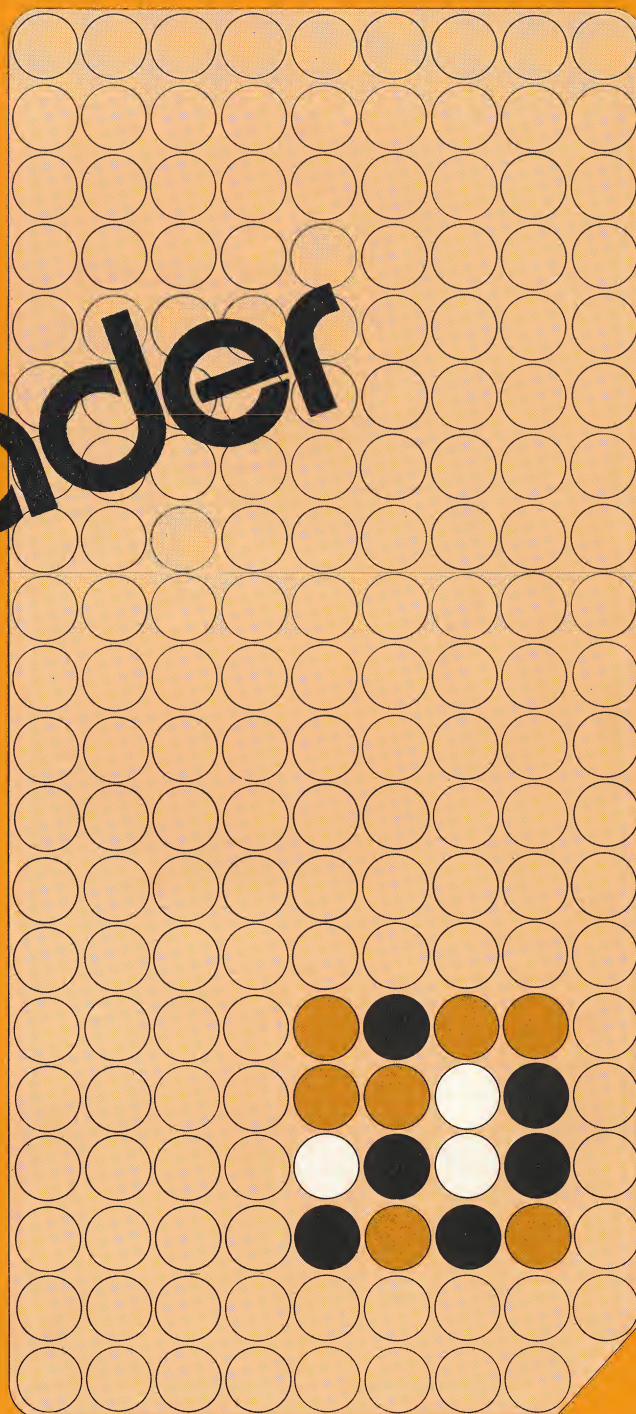


Series 500 Optical Mark Reader

easyReader



Series 500 Optical Mark Reader



The Republic Series 500 Optical Mark Reader reads both sides of pencil-marked tab cards at up to 500 cards per minute, providing a fast, reliable input data device for data processing, and time-sharing systems.

Interfaces for these systems are already available, making it possible to use the Series 500 Reader on delivery.

The Series 500 Reader eliminates key-punching and simplifies data preparation and entry to the point where anyone who can write can prepare input data. And because it reads both sides of the tab card, a given number of cards can handle twice as much data. The Series 500 Reader is the only commercially-available, medium speed Optical Mark Reader with this expanded capacity.

Applications

Typical applications include billing records • computer programming • consumer research • credit reporting • financial data • freight routing • government reports & records • hospital and health records • inspection records • insurance records • inventory control • library records • market research • medical billing • medical data • payroll accounting • police records • production and process control • public opinion polls • quality control • salary & wage administra-

tion • sales orders • school registration • telephone time & charge reporting • ticket reservations • utility meter reading • warranty records.

Features

- Timing marks not required. Permits greater flexibility in forms design. Also allows use of keysorting and other card handling techniques.
- Reads both sides of 12-row, 80-column cards.
- Reads pencil-marked cards, punched cards or a combination of both.
- Read head is sealed and dust proof for increased accuracy and reliability.
- Card feed can be continuous or in response to an external command.
- Interface available for IBM System 360 and Honeywell 200 Series computers.
- Parity bit generation standard.
- Mark sensing accuracy assured by flexible threshold control.
- Visual indicator for empty hopper or card jam.
- Extensive use of IC circuits and heavy-duty construction techniques assures long life and high reliability.

Direct Computer Interface

In many applications, the Series 500 Reader can serve as a direct input to a computer, eliminating preparation of punched cards, paper tape or use of keyboards. In some cases, it may even replace the existing punched card reader, since it can read both pencil-marked and regular punched cards.

The unit designed for direct computer interface reads up to 500 cards per minute. It provides output in Hollerith, BCD, EBCDIC or ASCII codes, according to user specification.

The Series 500 Reader will readily interface with any computer. The number of readers which can be connected to a given computer is dependent on the input channels available.

Data Communications

Two versions of the reader are available for data communications usage.

One model processes cards at 100 characters per second and is designed for operation with a 202C Data Set. The other model operates at 10 characters per second in conjunction with teletypewriters.

These Series 500 Optical Mark Readers transmit to any receiving terminal equipped to accept data transmission from an AT&T type 202C (105 char/sec) or 103A (10 char/sec) Dataphone, or equivalent. Compatible receiving terminals include the AT&T Data-speed Type 11 and Teletype 33 and 35 Teleprinters, and many computer systems.

Flexible Card Design

Data positions on the tab cards can be laid out in almost any arrangement. The cards can be divided into data fields; they can include preprinted instructions for data entry; and space can be provided for handwritten information not to be read by the Optical Mark Reader. Since the Series 500 Reader can read punched holes, cards may also be prepunched with identifiers and routine information for turnaround applications, reducing manually-entered data.

For greatest reading accuracy, a maximum marking density of 40 columns per side is recommended. This assures maximum throughput with a minimum of user training.

TICKET NO.

AMOUNT

TAX

TOTAL

ROOM NUMBER OR CITY LEDGER NUMBER

CUSTOMER SIGNATURE

CUSTOMER PRINTED LAST NAME

TICKET NUMBER & DEPT.

ROOM/ACCT. NUMBER

SHORT NAME

DATE

AMOUNT



Series 500 Optical Mark Reader



Specifications

Card Size—Standard tab cards. 80 column standard with 51 column available on special order.

Card Capacity—Reads 500 cards without manual intervention.

Operation—Continuous or manual feed.

Parity Bit Generation—Standard. Customer to specify ASCII, Hollerith, EBCDIC or BCD code translation.

Record Identification—End of card will generate Carriage Return & Line Feed for TTY transmission and a record mark for Hollerith, BCD or EBCDIC.

Indicators—Visual indicators for power on, hopper empty and card jam.

Head Cleaning—Not required since the head is a sealed unit.

Input Power—105 to 125 Volts; 60 Hz; 2.5A.

Environmental—Temperature: 40°F to 120°F.

Mounting—Tabletop.

Size—21" high x 13" wide x 26" long.

Weight—58 pounds.

REPUBLIC INFORMATION SYSTEMS



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July 6, 1970

Theodor H. Nelson
The Nelson Organization
458 W. 20th Street
New York, N. Y. 10011

Dear Mr. Nelson:

Recently, at the P.I.A. Convention in St. Paul, you saw a demonstration of the Republic "write-it-once" production reporting system. As you remember, the key element in the system is the Republic Information Systems optical mark reader - the Easyreader. A new high speed card reader which totally eliminates the need for keypunching. At the P.I.A. convention, the Easyreader was working with a high speed computer, thereby, providing a low-cost, computerized accounting and management reporting system.

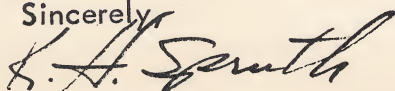
Whether you have in-house data processing capability or access to time-shared computers, Republic's Easyreader provides a fast, accurate and inexpensive way to collect production, inventory and labor data - the initial step to fully automated management reports- again eliminating keypunching. Lease rentals for the Easyreader start as low as \$95.00 per month - including maintenance.

Would you like to completely cost a job for a dollar or less?

Would you like computerized management reports in the hands of your decision-makers early each morning?

The enclosed brochure describes the Easyreader. If you have further questions we will be happy to answer them or have our representative call on you. LET US HELP YOU INPUT.

Sincerely,



Kenneth H. Spruth
Director of Marketing